

CLAIMS

We claim:

1 1. A method of adapting a transaction-based application to process transactions over a
2 network, said transaction-based application comprising source code describing a transaction
3 and information related to the transaction, hereinafter related information, said method
4 comprising the steps of :
5 scanning the source code of the transaction-based application to identify the
6 transaction and the related information;
7 storing the related information in a database;
8 extracting from the database parameter definitions describing communication of
9 information by the transaction;
10 identifying a parameter usage type for each parameter, said parameter usage type
11 selectable from the parameter usage type set comprising input, output, input/output, and
12 unreferenced;
13 displaying the transaction and a subset of the related and extracted information;
14 allowing a user to select the transaction; and
15 using the identified and extracted information to package the user-selected
16 transaction in a form compatible with a connector building tool.

1 2. The method of claim 1 wherein the compatible form comprises a parsable file
2 containing information which can be parsed by a connector building tool.

1 3. The method of claim 2 further comprising the step of generating a documentation file
2 describing the parsable file.

1 4. The method of claim 3 wherein the documentation file comprises field description
2 information and connection information.

1 5. The method of claim 1 further comprising the step of using the identified and extracted
2 information to build a connector.

1 6. The method of claim 5 further comprising the step of using the identified and extracted
2 information to build an enterprise Java bean connector.

1 7. The method of claim 1 wherein the database can be queried to find program parts
2 comprising the transaction-based application and identify relationships between the program
3 parts.

1 8. The method of claim 1 wherein the related information is a member of the set
2 comprising relationships, call hierarchies, transactions, communication areas, parameters, the
3 flow of data elements, and resources employed.

1 9. An article of manufacture for use in a computer system for adapting a transaction-based
2 application to process transactions over a network, said transaction-based application
3 comprising source code describing a transaction and information related to the transaction,
4 hereinafter related information, said article of manufacture comprising a computer-readable
5 storage medium having a computer program embodied in said medium which causes the
6 computer system to execute the method steps comprising:

7 scanning the source code of the transaction-based application to identify the
8 transaction and the related information;

9 storing the related information in a database;

10 extracting from the database parameter definitions describing communication of
11 information by the transaction;

12 identifying a parameter usage type for each parameter, said parameter usage type
13 selectable from the parameter usage type set comprising input, output, input/output, and
14 unreferenced;

15 displaying the transaction and a subset of the related and extracted information;

16 allowing a user to select the transaction; and

17 using the identified and extracted information to package the user-selected
18 transaction in a form compatible with a connector building tool.

1 10. The article of manufacture of claim 9 wherein the compatible form comprises a
2 parsable file containing information which can be parsed by a connector building tool.

1 11. The article of manufacture of claim 10 wherein the method steps further comprise the
2 step of generating a documentation file describing the parsable file.

1 12. The article of manufacture of claim 11 wherein the documentation file comprises field
2 description information and connection information.

1 13. The article of manufacture of claim 9 wherein the method steps further comprise the
2 step of using the identified and extracted information to build a connector.

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1 14. The article of manufacture of claim 13 wherein the method steps further comprise the
2 step of using the identified and extracted information to build an enterprise Java bean
3 connector.

1 15. The article of manufacture of claim 9 wherein the database can be queried to find
2 program parts comprising the transaction-based application and identify relationships between
3 the program parts.

1 16. The article of manufacture of claim 9 wherein the related information is a member of
2 the set comprising relationships, call hierarchies, transactions, communication areas,
3 parameters, the flow of data elements, and resources employed.

1 17. A computer system for adapting a transaction-based application to process transactions
2 over a network, said transaction-based application comprising source code describing a
3 transaction and information related to the transaction, hereinafter related information, said
4 computer system comprising :

- 5 a scanner for scanning the source code of the transaction-based application to
6 identify the transaction and the related information;
7 storage for storing the related information in a database;
8 a query for extracting from the database parameter definitions describing
9 communication of information by the transaction;
10 an identifying computer program for identifying a parameter usage type for each
11 parameter, said parameter usage type selectable from the parameter usage type set
12 comprising input, output, input/output, and unreferenced;
13 a display for displaying the transaction and a subset of the related and extracted
14 information;
15 an interface allowing a user to select the transaction; and
16 a packaging computer program which uses the identified and extracted
17 information to package the user-selected transaction in a form compatible with a
18 connector building tool.

1 18. The computer system of claim 17 wherein the compatible form comprises a parsable
2 file containing information which can be parsed by a connector building tool.

1 19. The computer system of claim 18 further comprising a documentation file describing
2 the parsable file.

1 20. The computer system of claim 19 wherein the documentation file comprises field
2 description information and connection information.

1 21. The computer system of claim 17 further comprising a connector builder which uses
2 the identified and extracted information to build a connector.

1 22. The computer system of claim 21 wherein the connector builder uses the identified and
2 extracted information to build an enterprise Java bean connector.

1 23. The computer system of claim 17 wherein the database can be queried to find
2 program parts comprising the transaction-based application and identify relationships between
3 the program parts.

1 24. The computer system of claim 17 wherein the related information is a member of the
2 set comprising relationships, call hierarchies, transactions, communication areas, parameters,
3 the flow of data elements, and resources employed.